

ADA ACCESS RAMP WITHOUT A PARK STRIP

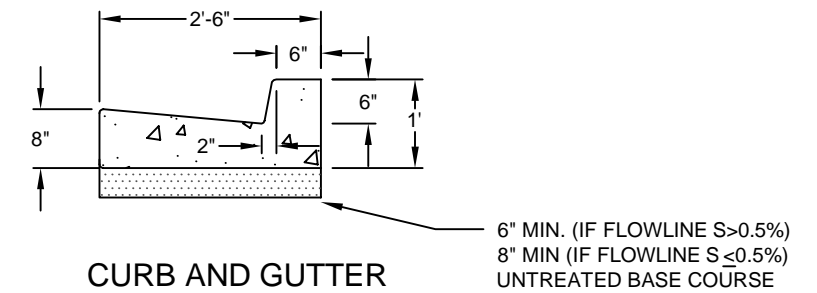
ADA ACCESS RAMP WITH A PARK STRIP

GENERAL NOTES

- ALL CURB, GUTTER, SIDEWALK AND DRIVE APPROACHES SHALL BE DESIGNED AND STAKED BY A LICENSED ENGINEER OR LAND SURVEYOR AND SHALL SUBMIT A PLAN AND PROFILE DRAWING TO THE CITY ENGINEER FOR APPROVAL.
- THE CITY ENGINEER WILL REQUIRE A LAYOUT INSPECTION.
- 24 HR . NOTICE WILL BE REQUIRED FOR ALL CONCRETE INSPECTIONS. THE INSPECTOR MAY THE FOLLOWING:
 - DENSITY TESTS
 - GRADE VERIFICATION
 - SLUMP TESTS
 - AIR ENTRAINMENT TESTS
 - EXPANSION JOINT PLACEMENT
 - COMPRESSION CYLINDER TESTS
- CONCRETE
 - CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04
 - CONCRETE SHALL BE 6.5 BAG MIX
 - SLUMP SHALL BE LESS THAN 4"
 - AIR ENTRAINMENT SHALL BE 6% +/- 1%
- CURB AND GUTTER SHALL BE APWA STANDARD PLAN NO. 205 TYPE A.
- SIDEWALK SHALL ADHERE TO APWA STANDARD PLAN 231. SIDEWALK SHALL BE 5" THICK FOR ALL SIDEWALK IN RESIDENTIAL AREAS AND 5" IN COMMERCIAL . DRIVE APPROACHES SHALL BE 6" THICK FOR RESIDENTIAL AND 8" FOR COMMERCIAL, OR SPECIFIED BY PROJECT ENGINEER.
- FLARED DRIVE APPROACH SHALL BE APWA STANDARD PLAN NO. 221.
- WATERWAY SHALL BE APWA STANDARD PLAN NO. 211.
- REINFORCEMENT STEEL SHALL MEET REQUIREMENTS OF APWA SECTION 03 20 00.
- SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE RED RAISED TRUNCATED DOMES.
- SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE 2'X4' INLAYS AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION
- CONCRETE PLACED IN COLD WEATHER CONDITIONS WILL BE PLACED IN ACCORDANCE WITH ACI 306R REQUIREMENTS.

MAXIMUM SLOPES

	RUNNING SLOPE	CROSS SLOPE
LANDING	1:48 (2%)	1:48 (2%)
RAMP	1:12 (8.33%)	1:48 (2%)
CLEAR SPACE	1:20 (5%)	1:48 (2%)



CURB AND GUTTER
TYPE A

DATE	REVISIONS	MADE BY
4/10	GENERAL REVISIONS	MSP

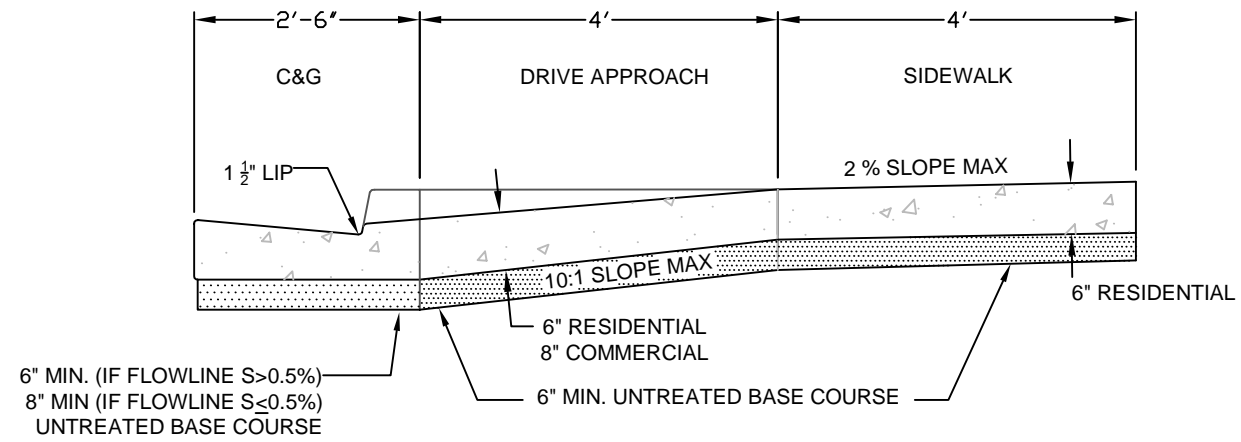


MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SOUTH 500 WEST
MURRAY, UT 84123
801 270-2400

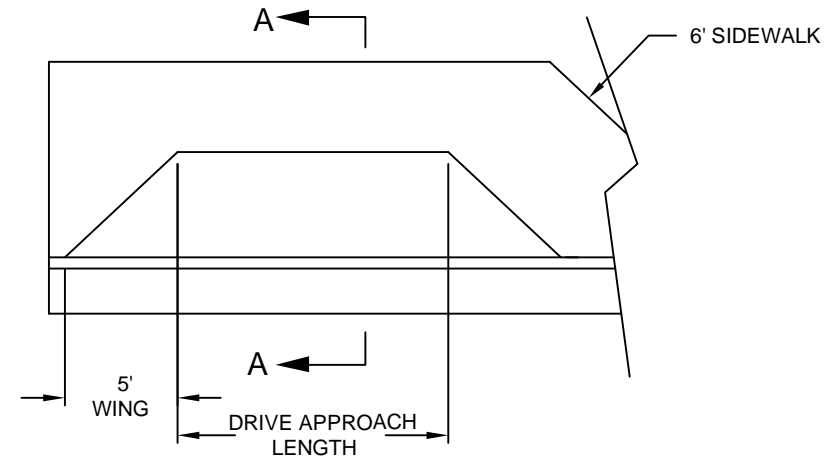
MURRAY CITY

ADA ACCESS SIDEWALK RAMP

DETAILS C - 1

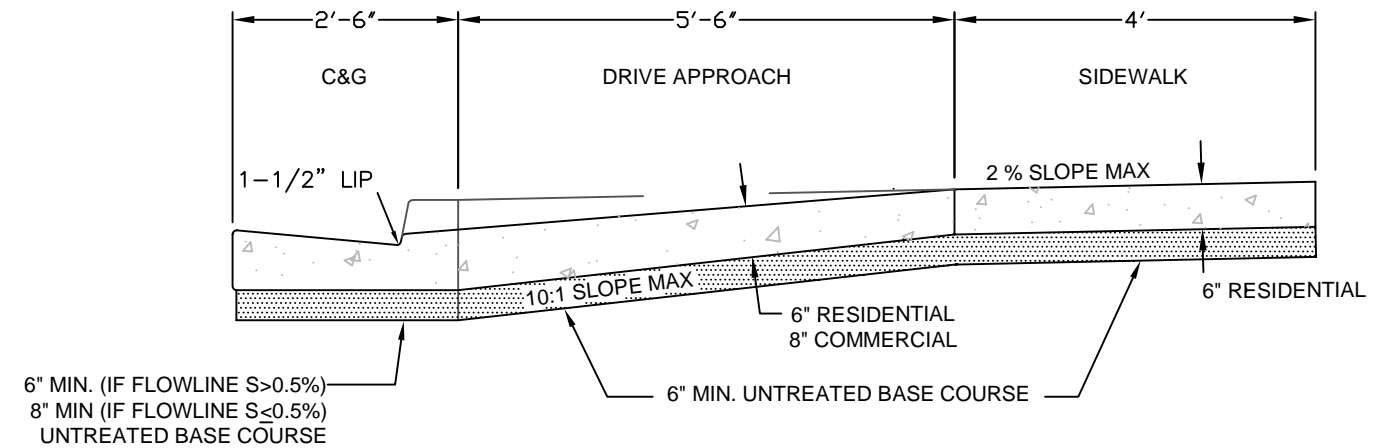


SECTION A-A
6' SIDEWALK TRANSITION AT DRIVEWAY

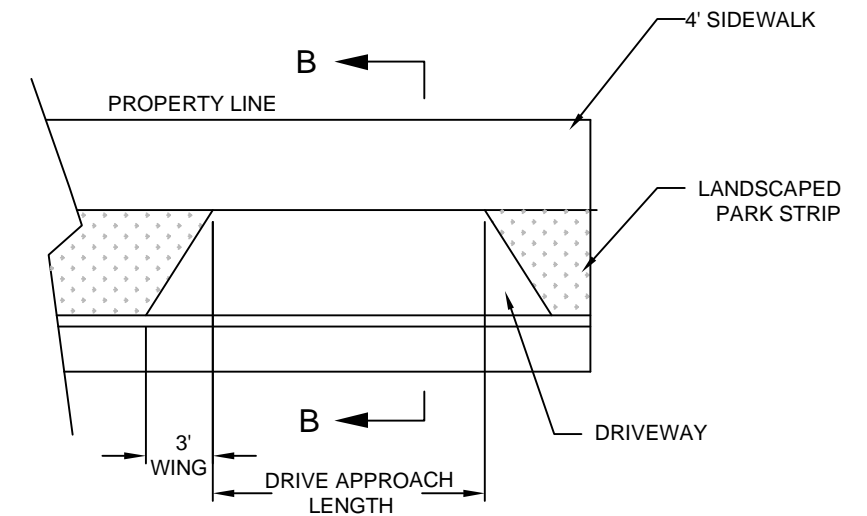


GENERAL NOTES

- ALL CURB, GUTTER, SIDEWALK AND DRIVE APPROACHES SHALL BE DESIGNED AND STAKED BY A LICENSED ENGINEER OR LAND SURVEYOR AND SHALL SUBMIT A PLAN AND PROFILE DRAWING TO THE CITY ENGINEER FOR APPROVAL.
- THE CITY ENGINEER WILL REQUIRE A LAYOUT INSPECTION.
- 24 HR. NOTICE WILL BE REQUIRED FOR ALL CONCRETE INSPECTIONS. THE INSPECTOR MAY THE FOLLOWING:
 - DENSITY TESTS
 - GRADE VERIFICATION
 - SLUMP TESTS
 - AIR ENTRAINMENT TESTS
 - EXPANSION JOINT PLACEMENT
 - COMPRESSION CYLINDER TESTS
- CONCRETE
 - CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04
 - CONCRETE SHALL BE 6.5 BAG MIX
 - SLUMP SHALL BE LESS THAN 4"
 - AIR ENTRAINMENT SHALL BE 6% +/- 1%
- CURB AND GUTTER SHALL BE APWA STANDARD PLAN NO. 205 TYPE A.
- SIDEWALK SHALL ADHERE TO APWA STANDARD PLAN 231. SIDEWALK SHALL BE 5" THICK FOR ALL SIDEWALK IN RESIDENTIAL AREAS AND 5" IN COMMERCIAL. DRIVE APPROACHES SHALL BE 6" THICK FOR RESIDENTIAL AND 8" FOR COMMERCIAL, OR SPECIFIED BY PROJECT ENGINEER.
- FLARED DRIVE APPROACH SHALL BE APWA STANDARD PLAN NO. 221.
- WATERWAY SHALL BE APWA STANDARD PLAN NO. 211.
- REINFORCEMENT STEEL SHALL MEET REQUIREMENTS OF APWA SECTION 03 20 00.
- SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE RED RAISED TRUNCATED DOMES.
- SIDEWALK RAMP DETECTABLE WARNINGS SHALL BE 2'X4' INLAYS AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.



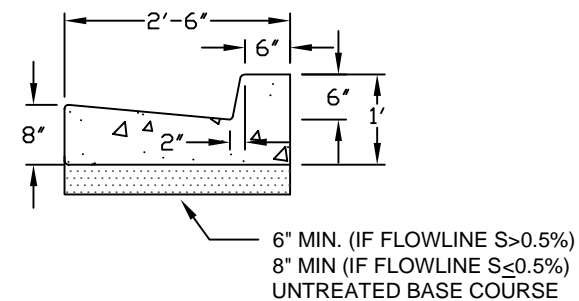
SECTION B-B
STANDARD DRIVEWAY



DRIVE APPROACH LENGTHS

RESIDENTIAL	12' MIN. - 30' MAX.
COMMERCIAL	25' MIN. - 50' MAX.

CURB AND GUTTER TYPE A

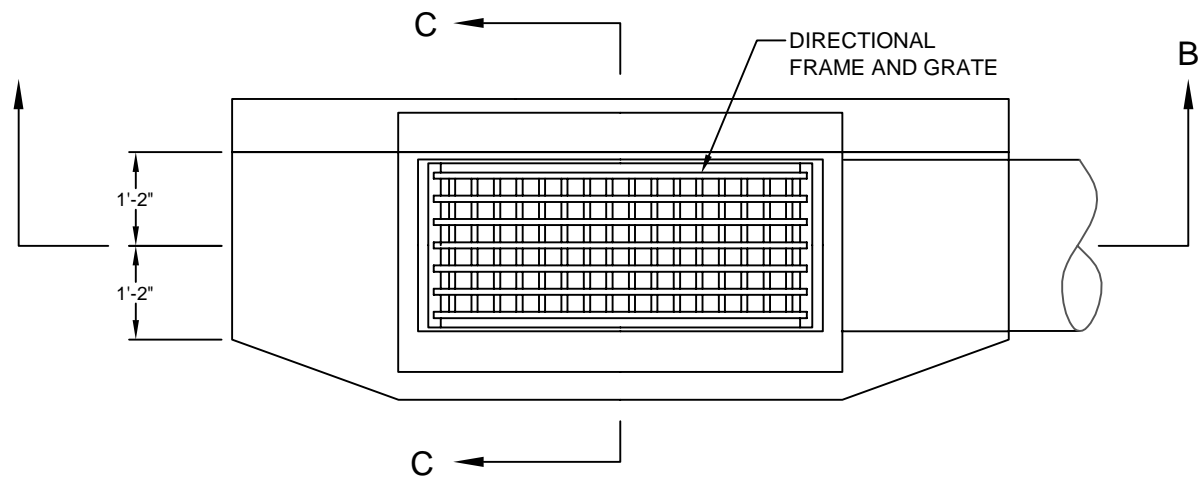


DATE	REVISIONS	MADE BY
5/30/01	GENERAL REVISIONS	JTS
4/5/04	RAMP UPDATES	JTS
12/28/04	GENERAL REVISIONS	JKS
4/10	GENERAL REVISIONS	MSP

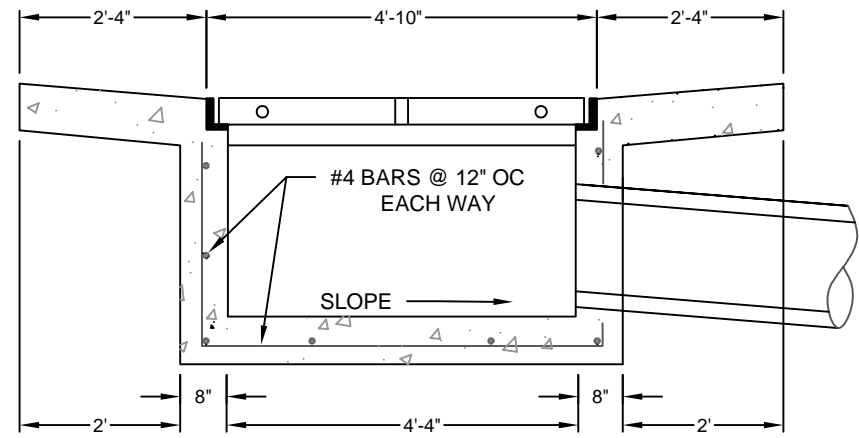


MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SOUTH 500 WEST
MURRAY, UT 84123
801 270-2400

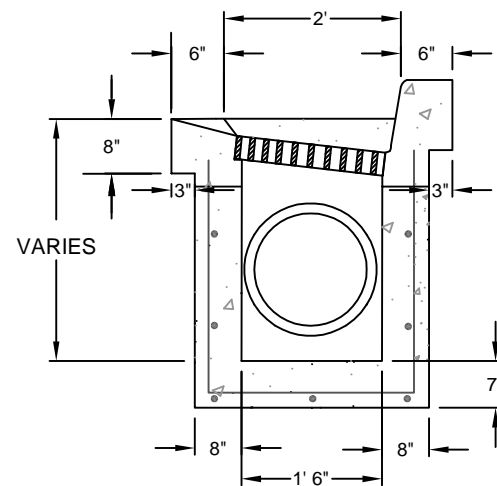
MURRAY CITY
SIDEWALK DRIVE APPROACH
SIDEWALK RAMP
DETAILS C - 2



PLAN



SECTION B - B

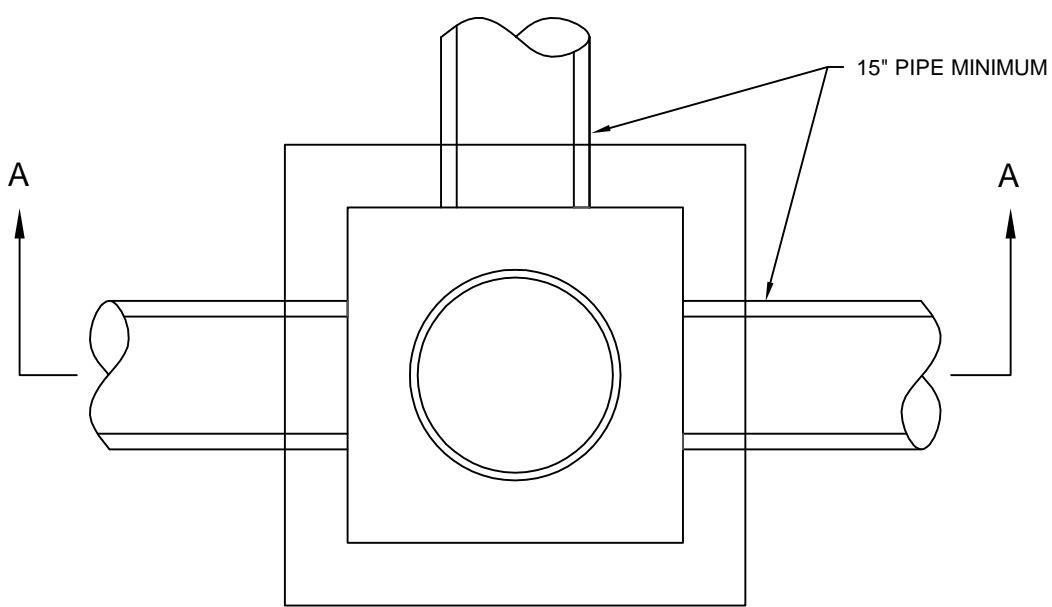


SECTION C - C

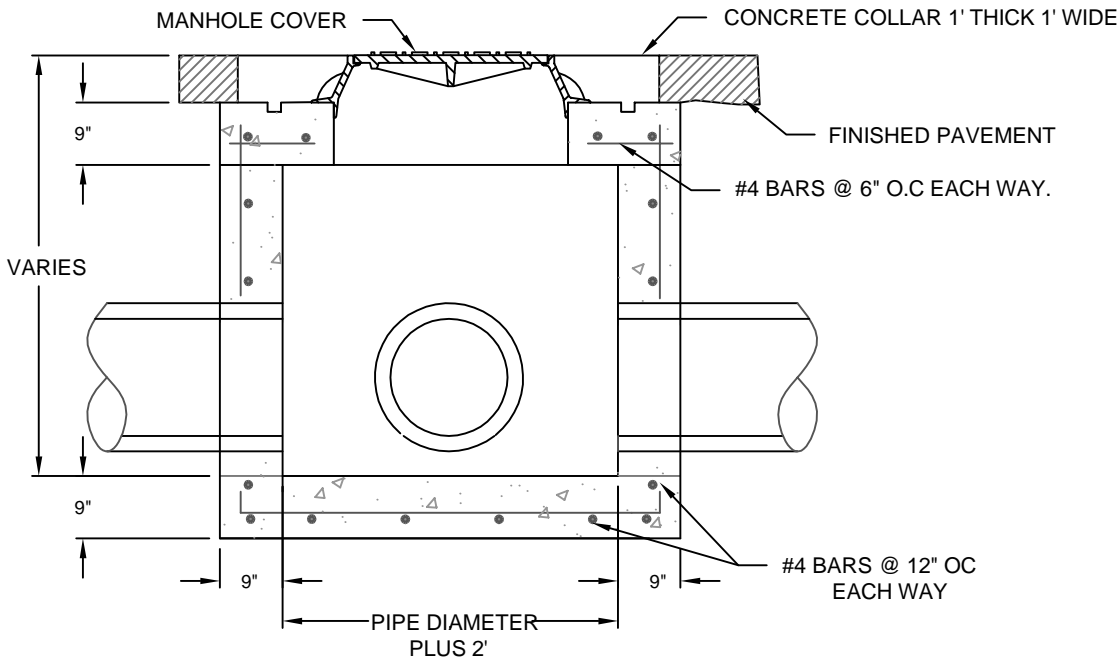
CATCH BASIN

GENERAL NOTES

- 1. CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04.
- 2. REINFORCEMENT SHALL BE ASTM A 615, GRADE 60, DEFORMED BARS AS PER APWA SECTION 03 20 00.
- 3. BACKFILL WITH GRADE 1 UNTREATED BASE COURSE AS PER APWA 32 11 23 2.1.
- 4. MANHOLE COVER SHALL BE APWA STANDARD PLAN NO. 302.
- 5. GRADE RINGS SHALL BE APWA STANDARD PLAN NO. 361.
- 6. CONCRETE COLLAR SHALL BE APWA STANDARD PLAN NO. 362.
- 7. DIRECTIONAL GRATE AND FRAME SHALL BE APWA STANDARD PLAN NO. 309 OR 310.
- 8. EXTEND BOX 6" BELOW PIPE INVERT FOR SEDIMENT CONTROL.



PLAN



SECTION A-A

CLEANOUT BOX

DATE	REVISIONS	MADE BY
5/30/01	GENERAL REVISIONS	JTS
4/5/04	RAMP UPDATES	JTS
12/28/04	GENERAL REVISIONS	JKS
4/10	GENERAL REVISIONS	MSP

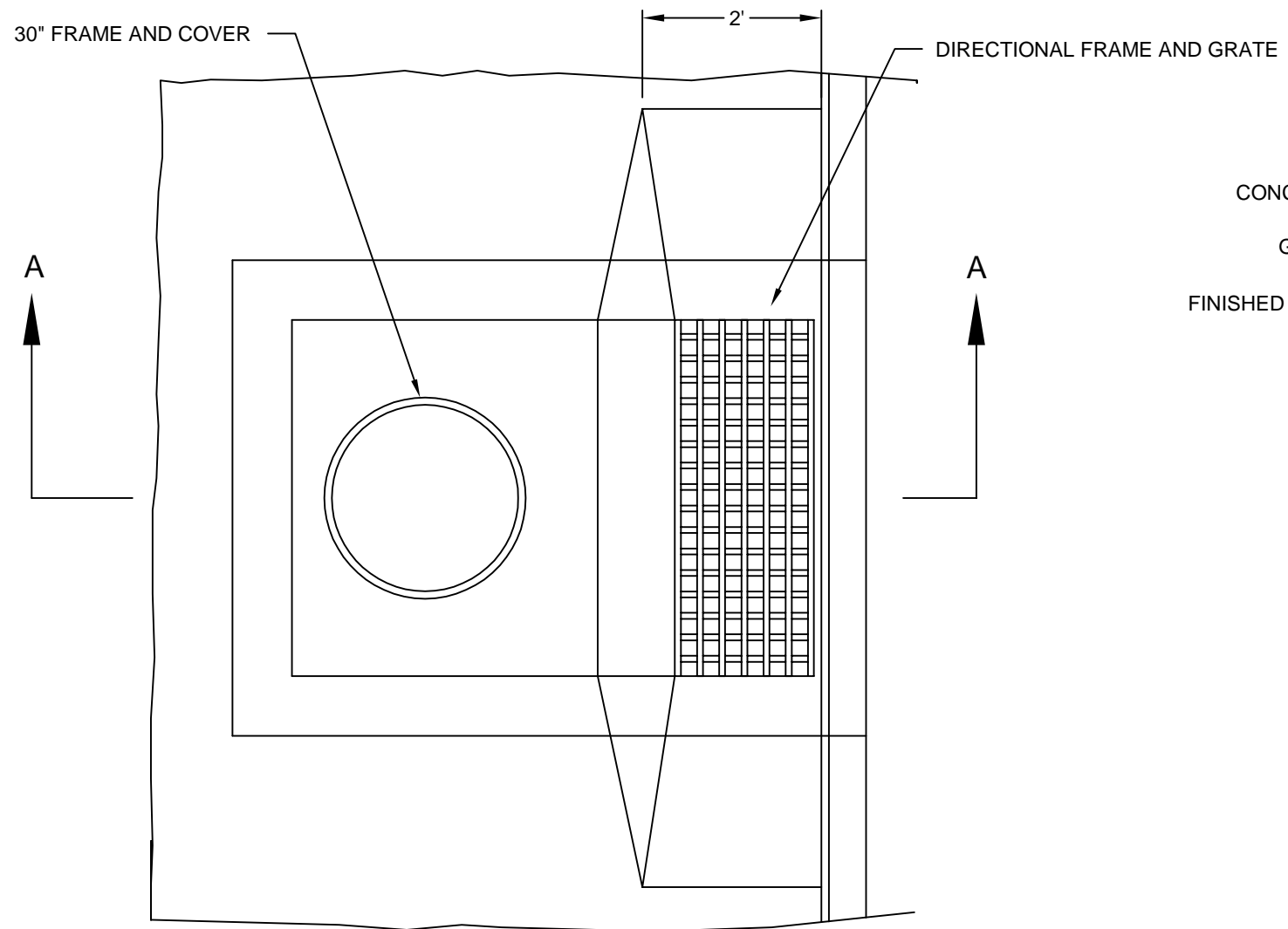


MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SOUTH 500 WEST
MURRAY, UT 84123
801 270-2400

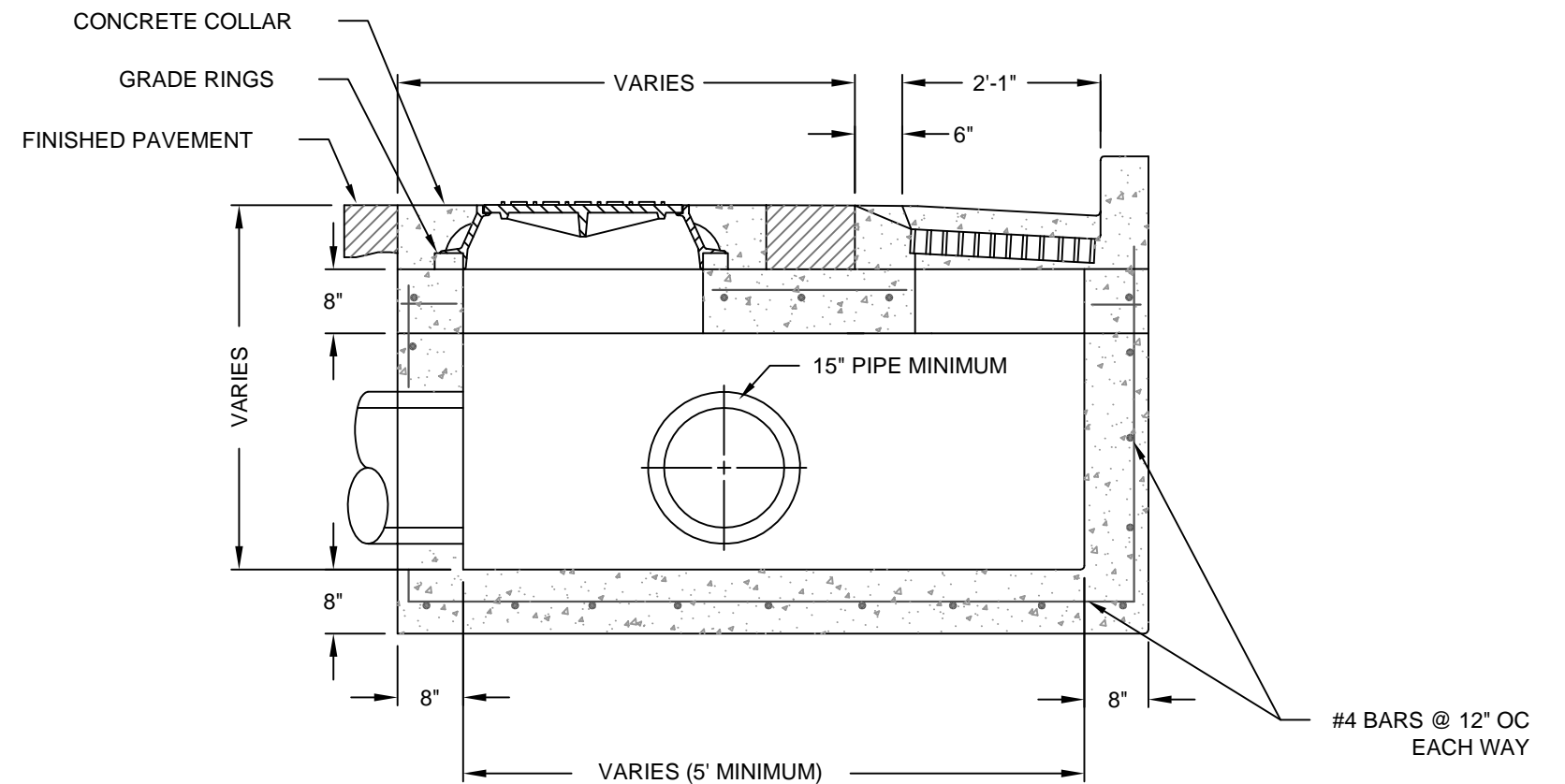
MURRAY CITY

CATCH BASIN AND
CLEANOUT

DETAILS C - 3



PLAN



SECTION A - A

COMBINATION INLET/CLEANOUT BOX

GENERAL NOTES

1. CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04.
2. REINFORCEMENT SHALL BE ASTM A 615, GRADE 60, DEFORMED BARS AS PER APWA SECTION 03 20 00.
3. BACKFILL WITH GRADE 1 UNTREATED BASE COURSE AS PER APWA 32 11 23 2.1.
4. MANHOLE COVER SHALL BE APWA STANDARD PLAN NO. 302.
5. GRADE RINGS SHALL BE APWA STANDARD PLAN NO. 361
6. CONCRETE COLLAR SHALL BE APWA STANDARD PLAN NO. 362
7. DIRECTIONAL GRATE AND FRAME SHALL BE APWA STANDARD PLAN NO. 309 OR 310.
8. EXTEND BOX 6" BELOW PIPE INVERT FOR SEDIMENT CONTROL.

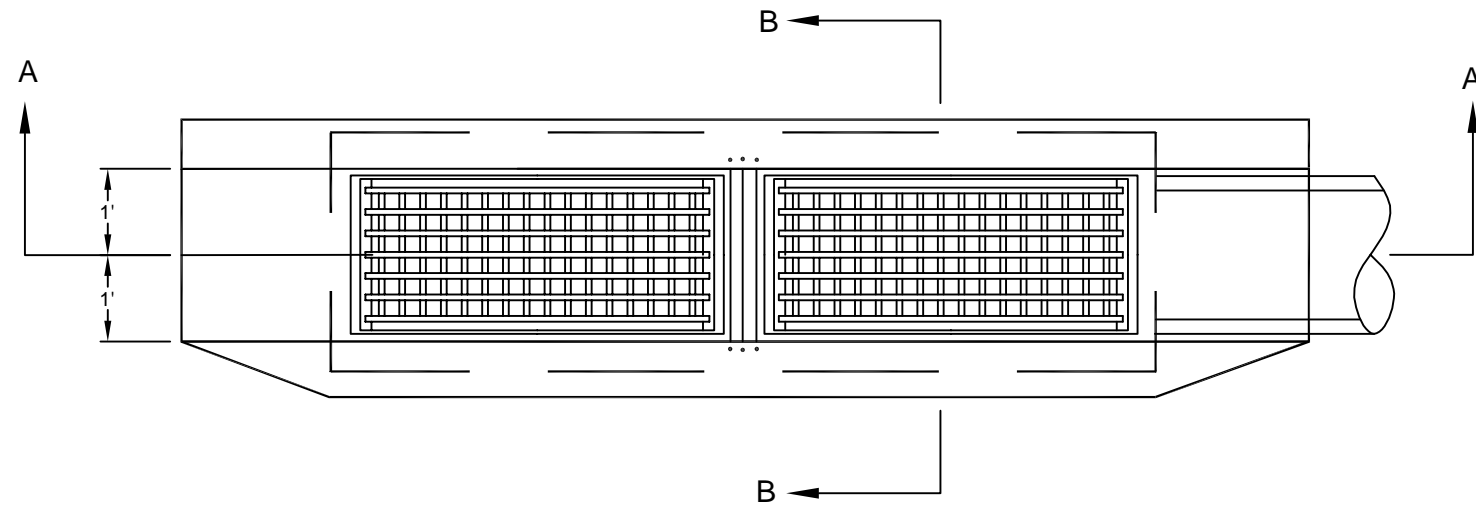
DATE	REVISIONS	MADE BY
5/30/01	GENERAL REVISIONS	JTS
4/5/04	TITLE BLOCK REVISIONS	JTS
6/30/10	GENERAL REVISIONS	MSP



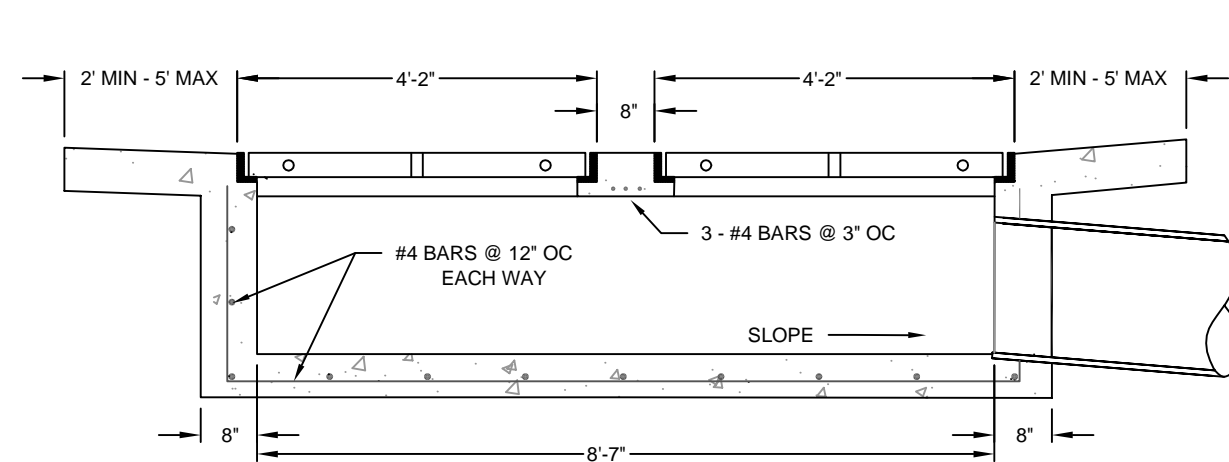
MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SO. 500 West
MURRAY, UT. 84123
270-2400

MURRAY CITY
COMBINATION
INLET/CLEANOUT BOX

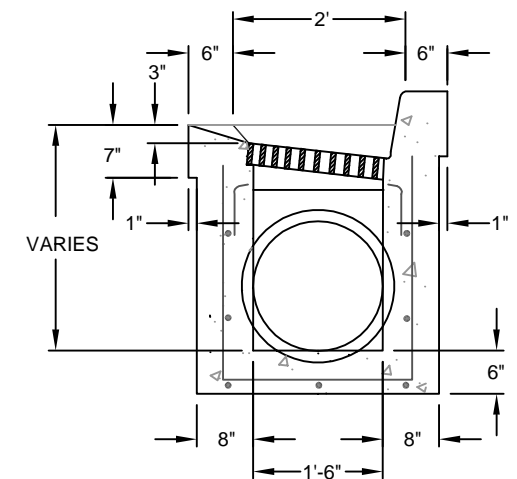
C-4



PLAN



SECTION A - A



SECTION B - B

DOUBLE INLET CATCH BASIN

GENERAL NOTES

1. CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04.
2. REINFORCEMENT SHALL BE ASTM A 615, GRADE 60, DEFORMED BARS AS PER APWA SECTION 03 20 00.
3. BACKFILL WITH GRADE 1 UNTREATED BASE COURSE AS PER APWA 32 11 23 2.1.
4. DIRECTIONAL GRATE AND FRAME SHALL BE APWA STANDARD PLAN NO. 309 OR 310.
5. EXTEND BOX 6" BELOW PIPE INVERT FOR SEDIMENT CONTROL.

DATE	REVISIONS	MADE BY
4/10	GENERAL REVISIONS	MSP
1/13	GENERAL REVISIONS	MSP

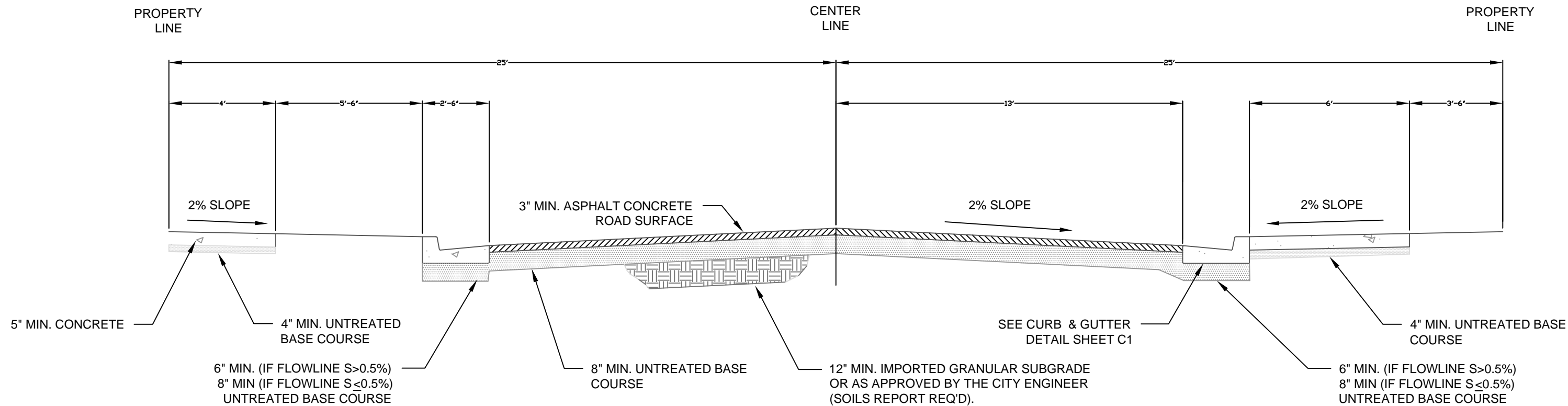


MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SOUTH 500 WEST
MURRAY, UT 84123
801 270-2400

MURRAY CITY

DOUBLE INLET CATCH BASIN

DETAILS C - 4



ROADWAY SECTION 50' R/W

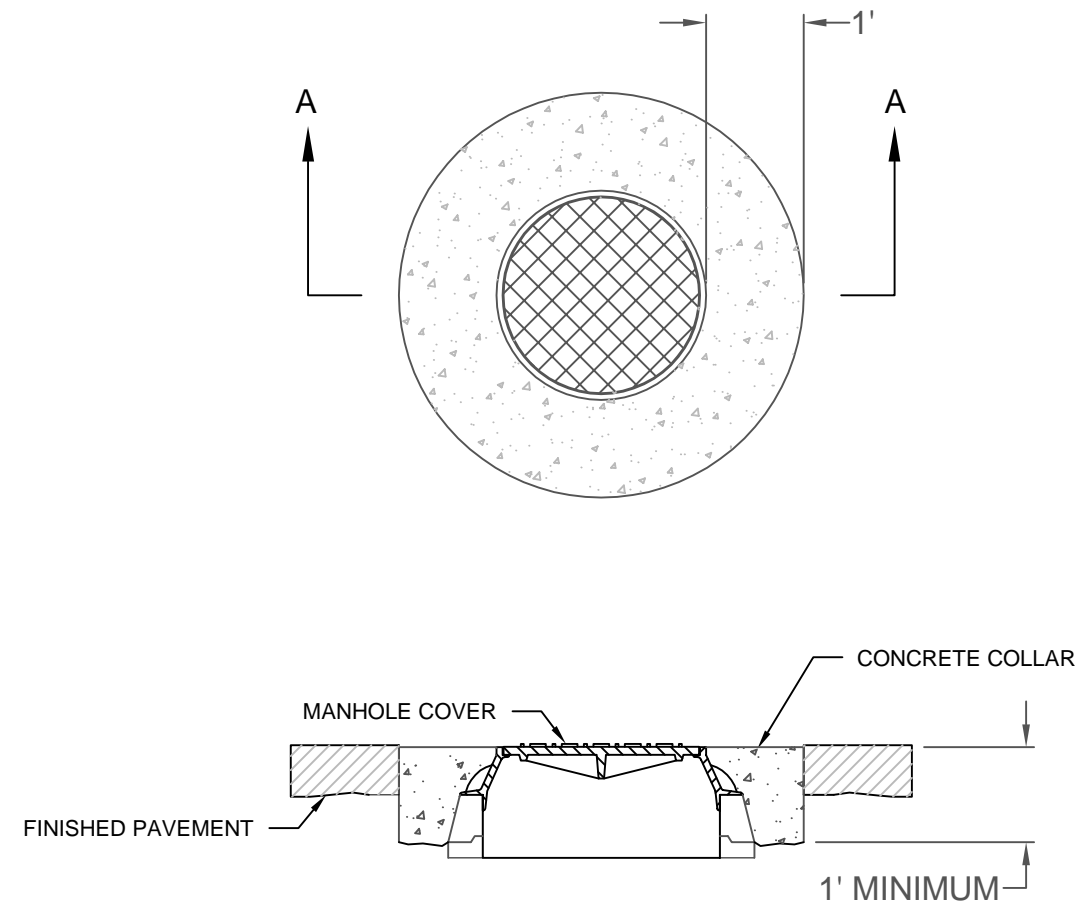
DATE	REVISIONS	MADE BY
4/10	GENERAL REVISIONS	MSP



MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SOUTH 500 WEST
MURRAY, UT 84123
801 270-2400

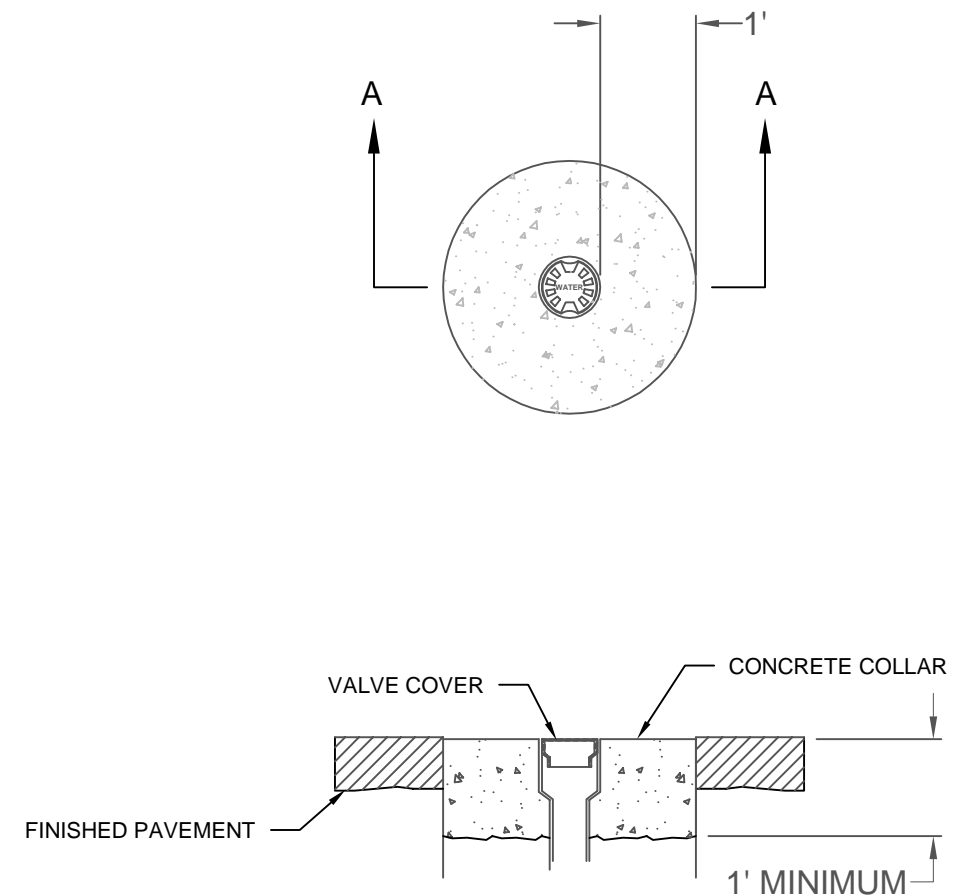
MURRAY CITY

ROADWAY DETAIL
DETAILS C - 5



SECTION A-A

MANHOLE COLLAR



SECTION A-A

WATER VALVE COLLAR

GENERAL NOTES

1. CONCRETE SHALL BE CLASS 4000 AS PER APWA SECTION 03 30 04. U-CART OR HAND MIXED CONCRETE WILL NOT BE ACCEPTED.
2. REINFORCEMENT SHALL SHALL BE ASTM A 615, GRADE 60, DEFORMED BARS AS PER APWA SECTION 03 20 00.
3. BACKFILL WITH GRADE 1 UNTREATED BASE COURSE AS PER APWA 32 11 23 2.1.
4. GRADE RINGS SHALL BE APWA STANDARD PLAN NO. 361
4. CONCRETE COLLAR SHALL BE APWA STANDARD PLAN NO. 362

DATE	REVISIONS	MADE BY
6/15/10	GENERAL REVISIONS	MSP



MURRAY CITY CORPORATION
ENGINEERING DEPARTMENT
4646 SOUTH 500 WEST
MURRAY, UT 84123
801 270-2400

MURRAY CITY
MANHOLE AND VALVE
COLLAR DETAIL
DETAILS C-6